

Claim 1 (Currently Amended). A container for storing or transporting at least one contaminated item, comprising:

a plurality of polymeric, multi-layered chemical composite flexible walls that are impervious to gases and liquid and define an interior chamber that has sufficient dimensions to accommodate said contaminated item;

a gas-tight closable and openable opening for placing and removing said contaminated item in the interior chamber; and an

air management system that filters and releases pressure from the inside of said interior chamber and includes;

an uni-direction pressure relief valve,

and an air-purifying system that comprises at least one of an air-purifying respirator cartridge or canister, or a filter canister.

Claim 2 (Original). The container of claim 1, wherein said at least one contaminated item is a human or animal body, bodily remain, or forensic sample.

Claim 3 (Original). The container of claim 1, wherein said multi-layered chemical composite is a thermoplastic resin selected from the group consisting of polyvinyl chloride, chlorinated polyethylene, chlorinated butyl, polyethylene, high density polyethylene, low density polyethylene, linear low density polyethylene, polypropylene, polyurethane, PTFE, combinations

thereof, or multiple-layered coextruded films which include one or more layers of ethylene-vinyl acetate, ethylene vinyl alcohol, polyvinyl alcohol, nylon, Surlyn (ionomer), polyester.

Claim 4 (Canceled).

Claim 5 (Currently Amended). The container of claim 1, wherein the chemical filter canister ~~air management system~~ comprises a nuclear, biological, and/or chemical filter canister.

Claim 6 (Currently Amended). The container of claim 1 ~~[[4]]~~, wherein the air-purifying respirator cartridge or canister ~~air management system~~ comprises at least one layer of chemisorptive media.

Claim 7 (Original). The container of claim 6, wherein the chemisorptive media is activated carbon.

Claim 8 (Original). The container of claim 6, wherein the chemisorptive media is nuclear, biological, and chemical absorbent.

Claim 9 (Previously Presented). The container of claim 1, wherein the uni-directional pressure relief valve interfaces with an inflation device for standard inflation testing while maintaining integrity of the container.

Claim 10 (Previously Presented). The container of claim 1, wherein the container maintains about 4-inch positive air pressure with up to about a 20 percent drop in pressure after four minutes in a standard inflation test .

Claim 11 (Original). The container of claim 1, wherein said gas-tight closable and openable opening is a zipper.

Claim 12 (Original). The container of claim 1, wherein the zipper comprises PVC, PE, Hytrel, PP, butyl, neoprene.

Claim 13 (Original). The container of claim 1, wherein the multi-layered chemical composite is resistant to at least one of Sarin, Mustard, Soman, nerve agent, Lewisite, tear gas.

Claim 14 (Previously Presented). The container of claim 1, wherein the multi-layered chemical composite is resistant to toxic industrial chemicals.

Claim 15 (Original). The container of claim 1, wherein the multi-layered chemical composite attenuates at least one of alpha, beta, gamma radiation.

Claim 16 (Original). The container of claim 1, wherein said multi-layered chemical composite is layered with a thermoplastic polyolefin elastomer layer.

Claim 17 (Original). The container of claim 11, further comprising a thermoplastic interface material that joins the zipper with the multi-layered chemical composite.

Claim 18 (Original). The container of claim 1, wherein said walls form an extended tubular body.

Claim 19 (Previously Presented). The container of claim 1, wherein said walls are joined by hermetic seams.

Claim 20 (Original). The container of claim 19, wherein said seams are sealed with a chemically resistant tape.

Claim 21 (Original). The container of claim 19, wherein said seams are sealed with heat, radio frequency welding, or impulse welding.

Claim 22 (Original). The container of claim 1, further comprising a polymeric abrasion-resistant fabric surface.

Claim 23 (Original). The container of claim 22, wherein the polymeric abrasion-resistant fabric comprises polyvinyl chloride.

Claim 24 (Original). The container of claim 1, wherein the interior chamber comprises a super adsorbent polymer.

Claim 25 (Original). The container of claim 24, wherein the interior chamber comprises adsorbent pads adhered to the walls that define said chamber.

Claim 26 (Original). A gas-tight pouch for transporting contaminated items, comprising:

- a polymeric multi-layered chemical composite barrier fabric stitched to form seams which define an enclosed pouch;
- an opening and closing device to allow access to the pouch for inserting and removing contaminated items.; and
- an air release valve to filter and release pressurized air from within the pouch.

Claim 27 (Original). The pouch of claim 26, wherein the polymeric multi-layered chemical composite barrier fabric composite is a thermoplastic resin selected from the group consisting of polyvinyl chloride, chlorinated polyethylene, chlorinated butyl, polyethylene, high density polyethylene, low density polyethylene, linear low density polyethylene, polypropylene, polyurethane, PTFE, combinations thereof, or multiple-layered coextruded films which include one or more layers of ethylene-vinyl acetate, ethylene vinyl alcohol, polyvinyl alcohol, nylon, Surlyn, polyester.

Claim 28 (Original). The pouch of claim 26, wherein the air release valve is an uni-directional pressure relief valve that comprises chemisorptive media.

Claim 29 (Original). The pouch of claim 26, wherein the opening and closing device is an air-tight zipper.

Claim 30 (Original). The pouch of claim 26, wherein said polymeric multi-layered chemical composite barrier fabric composite comprises a thermoplastic polyolefin elastomer layer.

Claim 31 (Original). The pouch of claim 26, wherein the seams are hermetically sealed with a chemically resistant tape.

Claim 32 (Original). The pouch of claim 26, comprising a polymeric abrasion-resistant polyvinyl chloride surface.

Claim 33 (Previously Presented). A container for storing or transporting at least one contaminated item, comprising:

a polymeric composite flexible walls that is impervious to gases and liquid and define an interior chamber that has sufficient dimensions to accommodate said contaminated item;

a gas-tight closable and openable opening for placing and removing said contaminated item in the interior chamber; and an

air management system that filters and releases pressure from the inside of said interior chamber, and includes an uni-direction pressure relief valve that interfaces with an inflation device for inflation testing while maintaining integrity of the container.

Claim 34 (Previously Presented). The container of claim 33, wherein said at least one contaminated item is a human or animal body, bodily remain, or forensic sample.

Claim 35 (Previously Presented). The container of claim 33, wherein said composite is a polyurethane resin.

Claim 36 (Previously Presented). The container of claim 33, further comprising an air purification system that has a nuclear, biological, and/or chemical filter canister.

Claim 37 (Previously Presented). The container of claim 33, further comprising an air purification system that has a filter canister with at least one layer of chemisorptive media.

Claim 38 (Previously Presented). The container of claim 37, wherein the chemisorptive media is activated carbon.

Claim 39 (Previously Presented). The container of claim 37, wherein the chemisorptive media is at least one of nuclear, biological, chemical absorbent.

Claim 40 (Previously Presented). The container of claim 33, wherein said gas-tight closable and openable opening is a zipper.

Claim 41 (Previously Presented). The container of claim 33, wherein the composite comprises multiple layers of polymeric flexible walls.

Claim 42 (Currently Amended). A container for storing or transporting at least one contaminated item, comprising:

a polymeric composite flexible wall that is impervious to gases and liquid and define an interior chamber that has sufficient dimensions to accommodate said contaminated item;

a gas-tight closable and openable opening for placing and removing said contaminated item in the interior chamber; and an

air management system that filters and releases pressure from the inside of said interior chamber and includes;

an uni-direction pressure relief valve, and

an air-purifying system that comprises at least one of an air-purifying respirator cartridge or canister, or a filter canister.